

Amendments to the Claims:

This listing of claims will replace all versions and listings of claims in the Application.

Listing of Claims:

Claims 1-104 (cancelled).

Claims 105-139 (new). The text of these claims commences on the next page of this Amendment.

IN THE CLAIMS:

Please cancel Claims 51-54 without prejudice whereby previously presented Claims 1-54 are cancelled without prejudice.

Please add the following new claims:

Claim 105 (new). An arrangement for managing a herd of domesticated animals which comprises an animal identification system, at least one feeding trough which is disposed and dimensioned so it can only feed one of said animals at a time, said feeding trough including closure means for selectively precluding said animals from consuming feed therefrom, a central unit provided with a computer having a memory, hierarchy order determining means for determining data as to the status of each said animal in said herd, said hierarchy order determining means supplying said data so determined to said memory, said memory storing said data, said data supplied by said hierarchy order determining means being continuously updated in said memory that stores said data, said memory containing said data for each animal of the herd relating to the status of each said animal in the hierarchy order of the herd, said data being utilized to aid in the management of the accessibility of each animal of said herd to said feeding trough.

Claim 106 (new). An arrangement for managing a herd of domesticated animals which comprises an animal identification system, at least one feeding trough which is disposed and dimensioned so it can only feed one of said animals at a time, said feeding trough including closure means for selectively precluding said animals from consuming feed therefrom, a central unit provided with a computer having a memory, said memory containing data for each animal of the herd relating to the status of each said animal in the hierarchy order of the herd, said data being utilized to aid in the management of the accessibility of each animal of said herd in said feeding trough, an area being provided for containing animals of said herd, said area having an

entrance gate and an exit gate, the operation of at least one of said gates being controlled with the aid of said data in said memory.

Claim 107 (new). An arrangement in accordance with Claim 106, wherein said area is provided with at least two entrance gates and two exit gates.

Claim 108 (new). An arrangement in accordance with Claim 107, wherein said area comprises treatment means.

Claim 109 (new). An arrangement in accordance with Claim 108, wherein said treatment means comprises a milking compartment having a milking robot.

Claim 110 (new). An arrangement in accordance with Claim 109, wherein said milking compartment includes entrance means and exit means, a further area being provided which comprises said entrance gate and limit means for containing a predetermined limited number of said animals of said herd.

Claim 111 (new). An arrangement in accordance with Claim 110, which comprises a detection device for detecting the number of animals in said further area and issuing a detection signal that indicates that said animals are present in said further area, said computer maintaining said entrance gate of said further area closed after said predetermined number of said animals of said herd have entered and remain in said further area.

Claim 112 (new). An arrangement for managing a herd of domesticated animals which comprises an animal identification system, at least one feeding trough which is disposed and dimensioned so it can only feed one of said animals at a time, said feeding trough including closure means for selectively precluding said animals from consuming feed therefrom, a central unit provided with a computer having a memory, said memory containing data for each animal of the herd relating to the status of each said animal in the hierarchy order of the herd, said data being utilized to aid in the management of the accessibility of each animal of said herd to said

feeding trough, a feeding station is provided in said area, said feeding station including said one feeding trough and said closure means, said closure means adapted to be closed with the aid of data in said memory.

Claim 113 (new). An arrangement in accordance with Claim 112, wherein said feeding trough is juxtaposed with another like feeding trough which includes another closure means adapted to be closed with the aid of data from said memory.

Claim 114 (new). An arrangement in accordance with Claim 113, comprising a detection device for determining the quantity of fodder or drink, or both, present in said feeding trough at a predetermined point of time after a supply of said quantity of fodder or drink, or both, was received in said feeding trough and for issuing a first signal for operating said closure means based on the result of said quantity determination.

Claim 115 (new). An arrangement in accordance with Claim 114, wherein said detection device comprises a weighing device that weighs the quantity of feed present in said feeding trough.

Claim 116 (new). An arrangement in accordance with Claim 115, wherein said detection device comprises a clock.

Claim 117 (new). An arrangement in accordance with Claim 116, wherein said clock determines the duration from the supply of said quantity of fodder or drink or both into said feeding trough and for issuing, based on the result of the determination of such duration, a second signal for operating said closing means.

Claim 118 (new). An arrangement in accordance with Claim 112, comprising detection means for detecting jamming of said closure means.

Claim 119 (new). An arrangement in accordance with Claim 112, comprising an obstacle detector for detecting an obstacle in an entrance to said feeding trough.

Claim 120 (new). An arrangement in accordance with Claim 112, comprising an anti-violence detector.

Claim 121 (new). An arrangement as claimed in Claim 112, comprising a warning signal indicator that indicates that said closure means is about to close said feeding trough.

Claim 122 (new). An arrangement in accordance with Claim 112, wherein said feeding station is provided with an animal identification means for identifying an animal at said trough, said closure means being operated with the aid of data from said animal identification means.

Claim 123 (new). An arrangement in accordance with Claim 112, wherein said feeding station comprises a second feeding trough and a third feeding trough which are both similar to said first mentioned feeding trough, said computer being programmed so that a closure means at said third feeding trough is operated to close said feeding trough when data in said memory indicate that, within a predetermined period of time, an animal of said herd has consumed less than a first quantity of fodder from said first mentioned feeding trough and less than a second quantity of fodder from said second feeding trough.

Claim 124 (new). An arrangement in accordance with Claim 123, wherein said first quantity or said second quantity or both is 0.75 kilograms.

Claim 125 (new). An arrangement in accordance with Claim 123, wherein said predetermined period of time is 15 minutes.

Claim 126 (new). An arrangement for managing a herd of domesticated animals which comprises an animal identification system, at least one feeding trough which is disposed and dimensioned so it can only feed one of said animals at a time, said feeding trough including closure means for selectively precluding said animals from consuming feed therefrom, a central unit provided with a computer having a memory, said memory containing data for each animal of the herd relating to the status of each said animal in the hierarchy order of the herd, said data

being utilized to aid in the management of the accessibility of each animal of said herd to said feeding trough, and a camera for observing the behavior of animals in said herd.

Claim 127 (new). An arrangement for managing a herd of domesticated animals which comprises an animal identification system, at least one feeding trough which is disposed and dimensioned so it can only feed one of said animals at a time, said feeding trough including closure means for selectively precluding said animals from consuming feed therefrom, a central unit provided with a computer having a memory, said memory containing data for each animal of the herd relating to the status of each said animal in the hierarchy order of the herd, said data being utilized to aid in the management of the accessibility of each animal of said herd to said feeding trough, and discipline means for disciplining animals impeding the management of the herd.

Claim 128 (new). An arrangement in accordance with Claim 127, said discipline means comprising loudspeakers.

Claim 129 (new). An arrangement in accordance with Claim 127, wherein said discipline means comprises means for applying an electrical voltage to animals of said herd.

Claim 130 (new). An arrangement in accordance with Claim 127, wherein said discipline means comprises blowing means.

Claim 131 (new). An arrangement in accordance with Claim 127, wherein said discipline means is movable from a position where it is not visible to an animal of said herd to be disciplined to a position where it is visible to such animal.

Claim 132 (new). An arrangement in accordance with Claim 133, wherein said discipline means comprises an inflatable object.

Claim 133 (new). An arrangement in accordance with Claim 132, wherein said inflatable object consists of a form of a cow, a wall, a picture showing a frightening image, a partition wall or a guide wall.

Claim 134 (new). An arrangement in accordance with Claim 127, wherein said discipline means comprises a path that includes an exit gate and detours a milking compartment with a milking robot therein.

Claim 135 (new). An arrangement in accordance with Claim 127, wherein said discipline means comprises an automatically movable vehicle.

Claim 136 (new). An arrangement in accordance with Claim 135, comprising means for determining the position of an animal identified by said animal identification means and for moving said vehicle in the direction of the position of said animal by controlling said vehicle automatically with the aid of data from a positioning system.

Claim 137 (new). An arrangement in accordance with Claim 136, wherein said positioning means comprises GPS.

Claim 138 (new). An arrangement for managing a herd of domesticated animals which comprises an animal identification system, at least one feeding trough which is disposed and dimensioned so it can only feed one of said animals at a time, said feeding trough including closure means for selectively precluding said animals from consuming feed therefrom, a central unit provided with a computer having a memory, said memory containing data for each animal of the herd relating to the status of each said animal in the hierarchy order of the herd, said data being utilized to aid in the management of the accessibility of each animal of said herd to said feeding trough, said means for determining the hierarchy order of each animal of said herd comprises a camera.

Claim 139 (new). An arrangement for managing a herd of domesticated animals which comprises an animal identification system, at least one feeding trough which is disposed and dimensioned so it can only feed one of said animals at a time, said feeding trough including closure means for selectively precluding said animals from consuming feed therefrom, a central unit provided with a computer having a memory, said memory containing data for each animal of the herd relating to the status of each said animal in the hierarchy order of the herd, said data being utilized to aid in the management of the accessibility of each animal of said herd to said feeding trough, and means for determining the order in which animals enter or leave an area for determining the hierarchy order of animals in said herd.